

CRF Processing Date: 10/16/01

Edited by: MH

Verified by: (STI)

Serial Number: 09/830810A

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other
- ☐ Added the mandatory heading and subheadings for "Current Application Data" **ENTERED**
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: **RECEIVED**
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: **JAN 04 2002**
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of page numbers throughout text; ☐ other invalid text, such as **TECH CENTER 1600/2900**
- ☐ Inserted mandatory headings, specifically:
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:
- ☐ Other:

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RECEIVED

#11

JAN 04 2002

PCT

TECH CENTER 1600/2900

## RAW SEQUENCE LISTING

DATE: 10/16/2001

PATENT APPLICATION: US/09/830,810A

TIME: 11:50:08

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10162001\I830810A.raw

ENTERED

```

3 <110> APPLICANT: Matzuk, Martin
4   Pei, Wang
6 <120> TITLE OF INVENTION: OVARY SPECIFIC GENES AND PROTEINS
8 <130> FILE REFERENCE: P01925US1 / 09807797 / OTA 99-48
10 <140> CURRENT APPLICATION NUMBER: 09/830,810A
11 <141> CURRENT FILING DATE: 2001-04-27
13 <150> PRIOR APPLICATION NUMBER: PCT/US99/25209
14 <151> PRIOR FILING DATE: 1999-10-28
16 <150> PRIOR APPLICATION NUMBER: 60/106,020
17 <151> PRIOR FILING DATE: 1998-10-28
19 <160> NUMBER OF SEQ ID NOS: 15
21 <170> SOFTWARE: PatentIn version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1277
25 <212> TYPE: DNA
26 <213> ORGANISM: Mus musculus
28 <400> SEQUENCE: 1
29 aaggcgggcg aggcgcggga cgcacccatg ttcccggcga gcacgttcca cccctgcccg      60
31 catccttatc cgcaggccac caaagccggg gatggctgga gggtcggagc caggggctgc      120
33 cgacccgcgc cccctcctt cctcccggc tacagacagc tcatggccgc ggagtacgtc      180
35 gacagccacc agcgggcaca gctcatggcc ctgctgtcgc ggatgggtcc ccggtcggtc      240
37 agcagccgtg acgtgcggg gcaggtgaac ccgcgcgcgc acgcctcggg gcagtgttca      300
39 ctccggcgcc gcacgctgca gcctgcaggg tgccgagcca gccccgacgc ccgatccggg      360
41 tcctgtcaac cccgtggcca cgcgcgcgc gggagatccc cgcgatcctg gcagaccgta      420
43 gccccgttct cgtccgtgac cttctgtggc ctctcctcct cactggaggt tgcgggaggc      480
45 aggcagacac ccacgaaggg agaggggagc ccggcctcct cggggaccgc ggaaccggag      540
47 ccgagagagg tggccgcgag gaaagcggtc cccagccgc gaagcgagga gggcgatgtt      600
49 caggctgacg ggcaggccgg gtgggagcag cagccaccac cggaggaccg gaacagtgtg      660
51 gcggcgatgc agtctgagcc tgggagcgag gagccatgtc ctgccgcaga gatggctcag      720
53 gaccccggtg attcggtatg ccctcgagac caggcctccc cgcaaagcac ggagcaggac      780
55 aaggagcgcc tgcgtttcca gttcttagag cagaagtacg gctactatca ctgcaaggac      840
57 tgcaaaatcc ggtgggagag cgcctatgtg tgggtgtgtg agggcaccag taagggttta      900
59 cttcaaacag ttctgccgag tgtgtgagaa atcctacaac ctttacagag tggaggacat      960
61 cacctgtcaa agttgtaaaa gaactagatg tgcctgccca gtcagatttc gccacgtgga      1020
63 ccctaaacgc cccatcggc aagacttgtg tgggagatgc aaggacaaac gcctgtcctg      1080
65 cgacagcacc ttcagcttca aatacatcat ttagtgagag tcgaaaacgt ttctgctaga      1140
67 tggggctaata ggaatggaca agtgagcttt ctcccctctt cactctctcc ctttccaaat      1200
69 tcttcatgac agacagtgtt acttgatat aaagcctgtg aataaaaagg attgcaaaca      1260
71 aaaaaaaaaa aaaaaaa
74 <210> SEQ ID NO: 2
75 <211> LENGTH: 361
76 <212> TYPE: PRT
77 <213> ORGANISM: Mus musculus
79 <400> SEQUENCE: 2
81 Met Phe Pro Ala Ser Thr Phe His Pro Cys Pro His Pro Tyr Pro Gln
82 1          5          10          15
84 Ala Thr Lys Ala Gly Asp Gly Trp Arg Phe Gly Ala Arg Gly Cys Arg

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,810A

DATE: 10/16/2001

TIME: 11:50:08

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10162001\I830810A.raw

```

85          20          25          30
87 Pro Ala Pro Pro Ser Phe Leu Pro Gly Tyr Arg Gln Leu Met Ala Ala
88          35          40          45
90 Glu Tyr Val Asp Ser His Gln Arg Ala Gln Leu Met Ala Leu Leu Ser
91          50          55          60
93 Arg Met Gly Pro Arg Ser Val Ser Ser Arg Asp Ala Ala Val Gln Val
94 65          70          75          80
96 Asn Pro Arg Arg Asp Ala Ser Val Gln Cys Ser Leu Gly Arg Arg Thr
97          85          90          95
99 Leu Gln Pro Ala Gly Cys Arg Ala Ser Pro Asp Ala Arg Ser Gly Ser
100          100          105          110
102 Cys Gln Pro Arg Gly His Ala Gly Ala Gly Arg Ser Pro Arg Ser Trp
103          115          120          125
105 Gln Thr Val Ala Pro Phe Ser Ser Val Thr Phe Cys Gly Leu Ser Ser
106          130          135          140
108 Ser Leu Glu Val Ala Gly Gly Arg Gln Thr Pro Thr Lys Gly Glu Gly
109 145          150          155          160
111 Ser Pro Ala Ser Ser Gly Thr Arg Glu Pro Glu Pro Arg Glu Val Ala
112          165          170          175
114 Ala Arg Lys Ala Val Pro Gln Pro Arg Ser Glu Glu Gly Asp Val Gln
115          180          185          190
117 Ala Ala Gly Gln Ala Gly Trp Glu Gln Gln Pro Pro Pro Glu Asp Arg
118          195          200          205
120 Asn Ser Val Ala Ala Met Gln Ser Glu Pro Gly Ser Glu Glu Pro Cys
121          210          215          220
123 Pro Ala Ala Glu Met Ala Gln Asp Pro Gly Asp Ser Asp Ala Pro Arg
124 225          230          235          240
126 Asp Gln Ala Ser Pro Gln Ser Thr Glu Gln Asp Lys Glu Arg Leu Arg
127          245          250          255
129 Phe Gln Phe Leu Glu Gln Lys Tyr Gly Tyr Tyr His Cys Lys Asp Cys
130          260          265          270
132 Lys Ile Arg Trp Glu Ser Ala Tyr Val Trp Cys Val Gln Gly Thr Ser
133          275          280          285
135 Lys Val Tyr Phe Lys Gln Phe Cys Arg Val Cys Glu Lys Ser Tyr Asn
136          290          295          300
138 Pro Tyr Arg Val Glu Asp Ile Thr Cys Gln Ser Cys Lys Arg Thr Arg
139 305          310          315          320
141 Cys Ala Cys Pro Val Arg Phe Arg His Val Asp Pro Lys Arg Pro His
142          325          330          335
144 Arg Gln Asp Leu Cys Gly Arg Cys Lys Asp Lys Arg Leu Ser Cys Asp
145          340          345          350
147 Ser Thr Phe Ser Phe Lys Tyr Ile Ile
148          355          360
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 1817
152 <212> TYPE: DNA
153 <213> ORGANISM: Mus musculus
155 <400> SEQUENCE: 3
156 gtcacagctt tccctgcc gaatatggtg atctgtctcc attgtccaga tcaggatgat 60

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,810A

DATE: 10/16/2001

TIME: 11:50:08

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10162001\I830810A.raw

```

158 tctttagaag aagtcacaga ggaatgctat tccccaccca ccctccagaa cctggcaatt 120
160 cagagtctac tgagggatga ggccttgccc atttctgtc tcacggacct gccccagagt 180
162 ctgttcccag taatttttga ggaggccttc actgatggat atatagggat cttgaaggcc 240
164 atgataacctg tgtggccctt cccatacctt tctttaggaa agcagataaa taattgcaac 300
166 ctggagactt tgaaggctat gcttgaggga ctagatatac tgcttgccaca aaaggttcaa 360
168 accagtaggt gcaaaactcag agtaattaat tggagagaag atgacttgaa gatatgggct 420
170 ggatcccatg aagggtgaagg cttaccagat ttcaggacag agaagcagcc aattgagaac 480
172 agtgctggct gtgagggtgaa gaaagaattg aaggtgacga ctgaagtcct tcgcatgaag 540
174 ggcagacttg atgaatctac cacatacttg ttgcagtggg cccagcagag aaaagattct 600
176 attcatctat tctgtagaaa gctactaatt gaaggcttaa ccaaagcctc agtgatagaa 660
178 atcttcaaaa ctgtacacgc agactgtata caggagctta tcctaagatg tatctgcata 720
180 gaagagttgg cttttcttaa tccctacctg aaactgatga aaagtctttt cacactcaca 780
182 ctagatcaca tcataggtac cttcagtttg ggtgattctg aaaagcttga tgaggagaca 840
184 atattcagct tgatttctca acttcccaca ctccactgtc tccagaaact ctatgtaaat 900
186 gatgtccctt ttataaaaagg caacctgaaa gaatacctca ggtgcctgaa aaagcccttg 960
188 gagacacttt gcatcagtaa ctgtgacctc tcacagtcag acttggattg cctgccctat 1020
190 tgccctgaata tttgtgaact caaacatctg catattagt atatatattt atgtgattta 1080
192 ctcccttgagc ctcttggttt tctccttgag agagttggag ataccctgaa aacctggaa 1140
194 ttggattcat gttgtatagt ggactttcag ttcagtgcct tgctgcctgc cctaagccaa 1200
196 tgttctcacc tcagagaggt cactttctat gataatgatg tttctctgcc tttcttgaaa 1260
198 acaacttcta caccacacag ccctgctgag tcagctgatc tatgagtgtt accctgcccc 1320
200 tctagagtgc tatgatgaca gtggtgtaat actaacacac agattagaaa gtttttgtcc 1380
202 tgagcttctg gatatactga gagccaaaag acagctccat agtgtctcct ttcaaacaac 1440
204 caaatgctct aaatgtggtg ggtgctacat ttatgatcgg catacccaat gttgccgttt 1500
206 tgtggaacta ctataagctt gattgtgaaa ctgagaaaata gaaacttagt attggggact 1560
208 gatgaaatcc taagtgaatg tccactgcta aatggagcat gaaaatgtca atcacctaaa 1620
210 agtctgagat acacaggaaa gtcaataact tcctctgagc tggatgaatg atgttgcatc 1680
212 tgtagaaagt atcaagcact tgtagtttga atgtgttaca atagaagcac cattttatga 1740
214 gactggccca atctgttgac tgcatacaat aaatctgttg acttattaaa tttttaaaaa 1800
216 aaaaaaaaaa aaaaaaa 1817

```

219 &lt;210&gt; SEQ ID NO: 4

220 &lt;211&gt; LENGTH: 426

221 &lt;212&gt; TYPE: PRT

222 &lt;213&gt; ORGANISM: Mus musculus

224 &lt;400&gt; SEQUENCE: 4

```

226 Met Val Ile Cys Leu His Cys Pro Asp Gln Asp Asp Ser Leu Glu Glu
227 1 5 10 15
229 Val Thr Glu Glu Cys Tyr Ser Pro Pro Thr Leu Gln Asn Leu Ala Ile
230 20 25 30
232 Gln Ser Leu Leu Arg Asp Glu Ala Leu Ala Ile Ser Ala Leu Thr Asp
233 35 40 45
235 Leu Pro Gln Ser Leu Phe Pro Val Ile Phe Glu Glu Ala Phe Thr Asp
236 50 55 60
238 Gly Tyr Ile Gly Ile Leu Lys Ala Met Ile Pro Val Trp Pro Phe Pro
239 65 70 75 80
241 Tyr Leu Ser Leu Gly Lys Gln Ile Asn Asn Cys Asn Leu Glu Thr Leu
242 85 90 95
244 Lys Ala Met Leu Glu Gly Leu Asp Ile Leu Leu Ala Gln Lys Val Gln
245 100 105 110

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,810A

DATE: 10/16/2001

TIME: 11:50:08

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10162001\I830810A.raw

```

247 Thr Ser Arg Cys Lys Leu Arg Val Ile Asn Trp Arg Glu Asp Asp Leu
248      115      120      125
250 Lys Ile Trp Ala Gly Ser His Glu Gly Glu Gly Leu Pro Asp Phe Arg
251      130      135      140
253 Thr Glu Lys Gln Pro Ile Glu Asn Ser Ala Gly Cys Glu Val Lys Lys
254 145      150      155      160
256 Glu Leu Lys Val Thr Thr Glu Val Leu Arg Met Lys Gly Arg Leu Asp
257      165      170      175
259 Glu Ser Thr Thr Tyr Leu Leu Gln Trp Ala Gln Gln Arg Lys Asp Ser
260      180      185      190
262 Ile His Leu Phe Cys Arg Lys Leu Ile Glu Gly Leu Thr Lys Ala
263      195      200      205
265 Ser Val Ile Glu Ile Phe Lys Thr Val His Ala Asp Cys Ile Gln Glu
266      210      215      220
268 Leu Ile Leu Arg Cys Ile Cys Ile Glu Glu Leu Ala Phe Leu Asn Pro
269 225      230      235      240
271 Tyr Leu Lys Leu Met Lys Ser Leu Phe Thr Leu Thr Leu Asp His Ile
272      245      250      255
274 Ile Gly Thr Phe Ser Leu Gly Asp Ser Glu Lys Leu Asp Glu Glu Thr
275      260      265      270
277 Ile Phe Ser Leu Ile Ser Gln Leu Pro Thr Leu His Cys Leu Gln Lys
278      275      280      285
280 Leu Tyr Val Asn Asp Val Pro Phe Ile Lys Gly Asn Leu Lys Glu Tyr
281      290      295      300
283 Leu Arg Cys Leu Lys Lys Pro Leu Glu Thr Leu Cys Ile Ser Asn Cys
284 305      310      315      320
286 Asp Leu Ser Gln Ser Asp Leu Asp Cys Leu Pro Tyr Cys Leu Asn Ile
287      325      330      335
289 Cys Glu Leu Lys His Leu His Ile Ser Asp Ile Tyr Leu Cys Asp Leu
290      340      345      350
292 Leu Leu Glu Pro Leu Gly Phe Leu Leu Glu Arg Val Gly Asp Thr Leu
293      355      360      365
295 Lys Thr Leu Glu Leu Asp Ser Cys Cys Ile Val Asp Phe Gln Phe Ser
296      370      375      380
298 Ala Leu Leu Pro Ala Leu Ser Gln Cys Ser His Leu Arg Glu Val Thr
299 385      390      395      400
301 Phe Tyr Asp Asn Asp Val Ser Leu Pro Phe Leu Lys Thr Thr Ser Thr
302      405      410      415
304 Pro His Ser Pro Ala Glu Ser Ala Asp Leu
305      420      425
307 <210> SEQ ID NO: 5
308 <211> LENGTH: 1018
309 <212> TYPE: DNA
310 <213> ORGANISM: Mus musculus
312 <400> SEQUENCE: 5
313 gccatattga ggacctgcag tagaggtgga acccatgact ggcagcgcaa acacagtgat      60
315 aacagctgag ctccaagcaa ggaccagga ccttgctca ccacagacat aatctttccc      120
317 cacaacacct ccaccaagcc gccctgtaaa tcgacatgag tcgccacagc accagcagcg      180
319 tgaccgaaac cacagcaaaa aacatgctct ggggtagtga actcaatcag gaaaagcaga      240

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,810A

DATE: 10/16/2001

TIME: 11:50:08

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10162001\I830810A.raw

```

321 cttgcacctt tagaggccaa ggcgagaaga aggacagctg taaactcttg ctcagcacga 300
323 tctgcctggg ggagaaagcc aaagaggagg tgaaccgtgt ggaagtcctc tcccaggaag 360
325 gcagaaaacc accaatcact attgctacgc tgaaggcatc agtcctgccc atggtcactg 420
327 tgtcaggtat agagctttct cctccagtaa cttttcggct caggactggc tcaggacctg 480
329 tgttcctcag tggcctggaa tgttatgaga ctccggacct gacctgggaa gatgacgagg 540
331 aagaggagga agaggaggag gaagaggatg aagatgagga tgcagatata tcgctagagg 600
333 agataacctgt caaacaagtc aaaaggggtg ctccccagaa gcagatgagc atagcaaaga 660
335 aaaagaaggt ggaaaaagaa gaggatgaaa cagtagtgag gccagccct caggacaaga 720
337 gtccctggaa gaaggagaaa tctacacca gagcaaagaa gccagtgacc aagaaatgac 780
339 ctcacttag catcttctgc gtccaaggca ggatgtccag cagctgtgtt ttggtgcagg 840
341 tgtccagccc caccacccta gtctgaatgt aataaggtgg tgtggctgta accctgtaac 900
343 ccagccctcc agtttcggga ggtttttggt gaagagcccc cagcaagttc gcctagggcc 960
345 acaataaaat ttgcatgata aggaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1018

```

348 &lt;210&gt; SEQ ID NO: 6

349 &lt;211&gt; LENGTH: 207

350 &lt;212&gt; TYPE: PRT

351 &lt;213&gt; ORGANISM: Mus musculus

353 &lt;400&gt; SEQUENCE: 6

```

355 Met Ser Arg His Ser Thr Ser Ser Val Thr Glu Thr Thr Ala Lys Asn
356 1 5 10 15
358 Met Leu Trp Gly Ser Glu Leu Asn Gln Glu Lys Gln Thr Cys Thr Phe
359 20 25 30
361 Arg Gly Gln Gly Glu Lys Lys Asp Ser Cys Lys Leu Leu Ser Thr
362 35 40 45
364 Ile Cys Leu Gly Glu Lys Ala Lys Glu Glu Val Asn Arg Val Glu Val
365 50 55 60
367 Leu Ser Gln Glu Gly Arg Lys Pro Pro Ile Thr Ile Ala Thr Leu Lys
368 65 70 75 80
370 Ala Ser Val Leu Pro Met Val Thr Val Ser Gly Ile Glu Leu Ser Pro
371 85 90 95
373 Pro Val Thr Phe Arg Leu Arg Thr Gly Ser Gly Pro Val Phe Leu Ser
374 100 105 110
376 Gly Leu Glu Cys Tyr Glu Thr Ser Asp Leu Thr Trp Glu Asp Asp Glu
377 115 120 125
379 Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu Asp Glu Asp Ala Asp
380 130 135 140
382 Ile Ser Leu Glu Glu Ile Pro Val Lys Gln Val Lys Arg Val Ala Pro
383 145 150 155 160
385 Gln Lys Gln Met Ser Ile Ala Lys Lys Lys Val Glu Lys Glu Glu
386 165 170 175
388 Asp Glu Thr Val Val Arg Pro Ser Pro Gln Asp Lys Ser Pro Trp Lys
389 180 185 190
391 Lys Glu Lys Ser Thr Pro Arg Ala Lys Lys Pro Val Thr Lys Lys
392 195 200 205

```

394 &lt;210&gt; SEQ ID NO: 7

395 &lt;211&gt; LENGTH: 214

396 &lt;212&gt; TYPE: DNA

397 &lt;213&gt; ORGANISM: Mus musculus

399 &lt;400&gt; SEQUENCE: 7

VERIFICATION SUMMARY

DATE: 10/16/2001

PATENT APPLICATION: US/09/830,810A

TIME: 11:50:09

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10162001\I830810A.raw

PCT09

## RAW SEQUENCE LISTING

DATE: 09/20/2001

PATENT APPLICATION: US/09/830,810A

TIME: 08:33:07

Input Set : A:\Seq.txt

Output Set: N:\CRF3\09202001\I830810A.raw

3 <110> APPLICANT: Matzuk, Martin  
 4       Pei, Wang  
 6 <120> TITLE OF INVENTION: OVARY SPECIFIC GENES AND PROTEINS  
 8 <130> FILE REFERENCE: P01925US1 / 09807797 / OTA 99-48  
 10 <140> CURRENT APPLICATION NUMBER: 09/830,810A  
 11 <141> CURRENT FILING DATE: 2001-04-27  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US99/25209  
 14 <151> PRIOR FILING DATE: 1999-10-28  
 16 <150> PRIOR APPLICATION NUMBER: 60/106,020  
 17 <151> PRIOR FILING DATE: 1998-10-28  
 19 <160> NUMBER OF SEQ ID NOS: 15  
 21 <170> SOFTWARE: PatentIn version 3.0

## ERRORED SEQUENCES

498 <210> SEQ ID NO: 15  
 499 <211> LENGTH: 364  
 500 <212> TYPE: DNA  
 501 <213> ORGANISM: Mus musculus  
 503 <400> SEQUENCE: 15  
 504 ctcttatctg cacaggagaa atctacaccc agagcaaaga agccagtgac caagaaatga 60  
 506 cctcatctta gcatcttctg cgtccaaggc aggatgtcca gcagctgtgt tctggtgcag 120  
 508 gtgtccagcc ccaccaccct agtctgaatg taataagggtg gtgtggctgt aaccctgtaa 180  
 510 cccagccctc cagtttccgg aggtttttgg tgaagagccc ccagcaagtt cgcctagggc 240  
 512 cacaataaaa tttgcatgat caggacctcc ctctgcctcc ccctccctgg atgggtctcc 300  
 514 tcgctgctgc gatagctcat gtgccagca gagggcaacc acgagcaaga aaccagcccc 360  
 516 atgt 364

E--> 526 25022143.1       Page 1  
 E--> 551 25025130.1  
 E--> 558 4

Delete Nm A9CIT Ver



VERIFICATION SUMMARY

DATE: 09/20/2001

PATENT APPLICATION: US/09/830,810A

TIME: 08:33:08

Input Set : A:\Seq.txt

Output Set: N:\CRF3\09202001\I830810A.raw

L:526 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:369 SEQ:15  
 L:526 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:12  
 M:254 Repeated in SeqNo=15  
 L:551 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:9  
 L:558 M:252 E: No. of Seq. differs, <211>LENGTH:Input:364 Found:370 SEQ:15

*Relate  
 Non AGCT test*

**STATISTICS SUMMARY**

PATENT APPLICATION: US/09/830,810A

DATE: 09/20/2001

TIME: 08:33:08

Input Set : A:\Seq.txt

Output Set: N:\CRF3\09202001\I830810A.raw

Application Serial Number: US/09/830,810A

Alpha or Numeric: Numeric

Application Class:

Application File Date: 04-27-2001

Art Unit: PCT09

Software Application: PatentIn

Total Number of Sequences: 15

Total Nucleotides: 5591

Total Amino Acids: 994

Number of Errors: 6

Number of Warnings: 0

Number of Corrections: 0

**MESSAGE SUMMARY**

252 E: 1 (No. of Seq. differs)

254 E: 3 (No. of Bases conflict)

320 E: 2 ((1) Wrong Nucleic Acid Designator)